

Figure 1

10 30 50
 CGACCCACGCGTCCGCCACGCGTCCGGAGAACCTTTGCACGCGCACAACTACGGGGAC
 70 90 110
 GATTTCGATTGATTTTGGCGCTTTCGATCCACCCTCCTCCCTTCTCATGGGACTTTGG
 M G L W
 130 150 170
 GGACAAAGCGTCCCGACCGCTCGAGCGCTCGAGCAGGGCGCTATCCAGGAGCCAGGACA
 G O S V P T A S S A R A G R Y P G A R T
 190 210 230
 GCGTCGGGAACCAGACCATGGCTCCTGGACCCCAAGATCCTTAAGTTCTGCTCTTCATC
 A S G T R P W L L D P K I L K F V V F I
 250 270 290
 GTCGCGGTTCTGCTGCCGGTCCGGGTTGACTCTGCCACCATCCCCCGGCAGGACGAAGTT
 V A V L L P V R V D S A T I P R Q D E V
 310 330 350
 CCCCAGCAGACAGTGGCCCCACAGCAACAGAGGCGCAGCCTCAAGGAGGAGGAGTGTCCA
 P Q Q T V A P Q Q Q R R S L K E E E C P
 370 390 410
 GCAGGATCTCATAGATCAGAATATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGAT
 A G S H R S E Y T G A C N P C T E G V D
 430 450 470
 TACACCATTGCTTCCAACAATTGCTTCTTGCTGCTATGTACAGTTTGTAAATCAGGT
 Y T I A S N N L P S C L L C T V C K S G
 490 510 530
 CAAACAAATAAAAGTTCTGTACCACGACCAGAGACACCGTGTGTAGTGTGAAAAAGGA
 Q T N K S S C T T T R D T V C Q C E K G
 550 570 590
 AGCTTCCAGGATAAAAACTCCCTGAGATGTGCCGGACGTGTAGAACAGGGTGTCCCAGA
 S F Q D K N S P E M C R T C R T G C P R
 610 630 650
 GGGATGGTCAAGGTCAAGTAATTGTACGCCCCGGAGTGACATCAAGTGCAAAATGAATCA
 G M V K V S N C T P R S D I K C K N E S
 670 690 710
 GCTGCCAGTTCCACTGGGAAAACCCAGCAGCGGAGGAGACAGTGACCACCATCCTGGGG
 A A S S T G K T P A A E E T V T T I L G
 730 750 770
 ATGCTTGCTCTCCCTATCACTACCTTATCATCATAGTGGTTTTAGTCATCATTTTAGCT
 M L A S P Y H Y L I I I V V L V I I L A
 790 810 830
 GTGGTTGTGGTTGGCTTTTCATGTCCGAAGAAATTCATTTCTTACCTCAAAGGCATCTGC
 V V V V G E S C R K K F I S Y L K G I C
 850 870 890
 TCAGGTGGTGGAGGAGGTCCCGAACGTGTGCACAGAGTCCTTTTCCGCGCGGCTTCATGT
 S G G G G G P E R V H R V L F R R R S C
 910 930 950
 CCTTCACGAGTTCCTGGGGCGGAGGACAATGCCCGCAACGAGACCCTGAGTAACAGATAC
 P S R V P G A E D N A R N E T L S N R Y

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Figure 1 (continued)

970 990 1010
 TTGCAGCCACCCAGGTCTCTGAGCAGGAAATCCAAGGTCAGGAGCTGGCAGAGCTAACA
 L Q P T Q V S E Q E I Q G Q E L A E L T
 1030 1050 1070
 GGTGTGACTGTAGAGTCGCCAGAGGAGCCACAGCGTCTGCTGGAACAGGCAGAAGCTGAA
 G V T V E S P E E P Q R L L E Q A E A E
 1090 1110 1130
 GGGTGTGAGGAGGAGGCTGCTGGTTCAGTGAATGACGCTGACTCCGCTGACATCAGC
 G C Q R R R L L V P V N D A D S A D I S
 1150 1170 1190
 ACCTTGCTGGATGCCTCGGCAACACTGGAAGAAGGACATGCAAAGGAAACAATTCAGGAC
 T L L D A S A T L E E G H A K E T I Q D
 1210 1230 1250
 CAACTGGTGGGCTCCGAAAAGCTCTTTTATGAAGAAGATGAGGCAGGCTCTGCTACGTCC
 Q L V G S E K L F Y E E D E A G S A T S
 1270 1290 1310
 TGCCTGTGAAAGAATCTCTTCAGGAAACCAGAGCTTCCCTCATTTACCTTTTCTCCTACA
 C L *
 1330 1350 1370
 AAGGGAAGCAGCCTGGAAGAAACAGTCCAGTACTTGACCCATGCCCAACAACTCTACT
 1390 1410 1430
 ATCCAATATGGGGCAGCTTACCAATGGTCTCTAGAAGCTTTGTAAAGCACTTGGAGTAATT
 1450 1470 1490
 TTTATGAAATACTGCGTGTGATAAGCAAACGGGAGAAATTTATATCAGATTCTTGGCTGC
 1510 1530 1550
 ATAGTTATACGATTGTGTATTAAGGGTCGTTTTAGGCCACATGCGGTGGCTCATGCCTGT
 1570 1590 1610
 AATCCAGCACTTTGATAGGCTGAGGCAGGTGGATTGCTTTGAGCTCGGAGTTTGAGAC
 1630 1650 1670
 CAGCCTCATCAACACAGTGAAGTCCATCTCAATTTAAAAAGAAAAAAGTGGTTTTAG
 1690 1710 1730
 GATGTCATTCTTTGCAGTTCTTCATCATGAGACAAGTCTTTTTTCTGCTTCTTATATTG
 1750 1770 1790
 CAAGCTCCATCTCTACTGGTGTGTGCAATTTAATGACATCTAACTACAGATGCCGCACAGC
 1810 1830 1850
 CACAATGCTTTGCTTATAGTTTTTTAACTTTAGAACGGGATTATCTTGTTATTACCTGT
 1870 1890 1910
 ATTTTCAGTTTCGATATTTTTGACTTAATGATGAGATTATCAAGACGTAGCCCTATGCT
 1930 1950 1970
 AAGTCATGAGCATATGGACTTACGAGGGTTCGACTTAGAGTTTGGAGCTTTAAGATAGGA
 1990 2010 2030
 TTATTGGGGCTTACCCCACTTAATTAGAGAAACATTTATATTGCTTACTACTGTAGGC
 2050 2070 2090
 TGTACATCTCTTTTCCGATTTTTGTATAATGATGTAAACATGGAAAACTTTAGGAAATG
 2110 2130 2150
 CACTTATTAGGCTGTTTACATGGGTGCTGGATACAAATCAGCAGTCAAAAATGACTAA
 2170 2190 2210
 AAATATAACTAGTGACGGAGGGAGAAATCCTCCCTCTGTGGGAGGCACTTACTGCATTC

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Figure 1 (continued)

2230	2250	2270
AGTTCCTCCCTCCTGCGCCCTGAGACTGGACCAGGGTTTGATGGCTGGCAGCTTCTCAAGG		
2290	2310	2330
GGCAGCTTGTCTTACTTGTTAATTTTAGAGGTATATAGCCATATTTATTATAAATAAAT		
2350	2370	2390
ATTTATTTATTTATTTATAAGTAGATGTTTACATATGCCCAGGATTTTGAAGAGCCTGGT		
2410	2430	2450
ATCTTTGGGAAGCCATGTGTCTGTTTGTCTGCTGGGACAGTCATGGGACTGCATCTTC		
2470	2490	2510
CGACTTGTCCACAGCAGATGAGGACAGTGAGAATTAAGTTAGATCCGAGACTGCGAAGAG		
2530	2550	2570
CTTCTCTTTCAAGCGCCATTACAGTTGAACGTTAGTGAATCTTGAGCCTCATTTGGGCTC		
2590	2610	2630
AGGGCAGAGCAGGTGTTTATCTGCCCCGGCATCTGCCATGGCATCAAGAGGGAAGAGTGG		
2650	2670	2690
ACGGTGCTTGGGAATGGTGTGAAATGGTTGCCGACTCAGGCATGGATGGGCCCCCTCTCGC		
2710	2730	2750
TTCTGGTGGTCTGTGAACTGAGTCCCTGGGATGCCTTTTAGGGCAGAGATTCTTGAGCTG		
2770	2790	2810
CGTTTTAGGGTACAGATTCCCTGTTTGAGGAGCTTGGCCCCCTCTGTAAGCATCTGACTCA		
2830	2850	2870
TCTCAGAGATATCAATTCTTAAACACTGTGACAACGGGATCTAAAATGGCTGACACATTT		
2890	2910	2930
GTCCTTGTCACGTTCCATTATTTTATTTAAAAACCTCAGTAATCGTTTTAGCTTCTTT		
2950	2970	2990
CCAGCAAACCTCTTCTCCACAGTAGCCAGTCGTGGTAGGATAAATTACGGATATAGTCAT		
3010	3030	3050
TCTAGGGGTTTCAGTCTTTTCCATCTCAAGGCATTGTGTGTTTTGTTCGGGACTGGTTT		
3070	3090	3110
GGCTGGGACAAAGTTAGAACTGCCTGAAGTTTCGCACATTTCAGATTGTTGTGTCCATGGAG		
3130	3150	3170
TTTTAGGAGGGGATGGCCTTTCCGGTCTTCGCACCTTCATCCTCTCCCCACTTCCCATCT		
3190	3210	3230
GGCGTCCACACCTTGTCCCCCTGCACTTCTGGATGACCAGGGTGTGCTGCCTCCTAGT		
3250	3270	3290
CTTTGCCTTTTGCTGGGCCTTCTGTGCAGGAGACTTGGTCTCAAAGCTCAGAGAGAGCCAG		
3310	3330	3350
TCCGGTCCCAGCTCCTTTGTCCCTTCCTCAGAGGCCTTCCTTGAAGATGCATCTAGACTA		
3370	3390	3410
CCAGCCTTATCAGTGTTTAAGCTTATTCCTTTAACATAAGCTTCCTGACAACATGAAATT		
3430	3450	3470
GTTGGGGTTTTTTGGCGTTTGTGTGATTTGTTTAGGTTTTGCTTTATACCCGGGCCAAATA		
3490	3510	3530
GCACATAACACCTGGTTATATATGAAATACTCATATGTTTATGACCAAAATAAATATGAA		
3550		
ACCTCAAAAAAAAAAAAAAAAAAAAA		

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Figure 2

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1  L L I N F --- L P L V L S V A R S S K S V N A Q V T D I N S K L E R A K T V T V I T Q N L -- E L H H D Q P C H K P C h Pas
1  H G A --- A T R A N D S P R L L L L L V S L G --- A E E C P G I Y T S G E C K A h NGFR p75
1  L S V P D L P P A V L L L L V I Y P S V I G V P R L S O R E A O S V C P Q E E Y I - R - P E N S I C A T E h THR 1
1  H G --- V U G S --- V P A --- S G A T R I O
1  A P P P A R V L G A P A V C P W P S A A S G T R A A A A T P S I V H G S A P I E P A G P R G L P T S N G C H G P S A A S P A D R-4

64 P P E R K R D T V N C D E P C V P Q E R I Y D I A H F S S K R A C R L O R G H L E I N --- C R h Pas
68 H L E M V O P C G A Q T V C E - E L D S M T S - D V S A T E P C I P C --- E C V L S --- H S A P S V R h NGFR p75
63 H L T Y L Y D P G P Q O T C E E S S S - D V S A T E P C I P C --- E C V L S --- H S A P S V R h THR 1
17 G A T P A A T S S T P W L E E T I P P V E I A V L L P R V C S H T I P Q D E V P Q T V A P C Q R R S L K E C P A T R I O
71 S E A P E P R Y E E S P R R V - E T P P A V - G V L L Q V P S A A I K - - L H Q S I L T O C W E S P L G C P P D R-4

122 T Q N --- T K - R C I P N --- P P N --- S V V --- E H - h Pas
102 A D --- A V - R C A T Y - Q D E - T T G - R E A - R C R A S G L V P S C Q D I E H T V C E P D C Y S D A N H V h NGFR p75
120 D R --- T V C - C R K N - Q R H Y W E R L C P N - S L C L H - V E L S C O E K E H T V C - H A S P L E R E - h THR 1
96 G S H R S E Y T A C N P C T E G V D I A - S N N I P S - L L T V C K S Q H N K S C T T E R D T V C - E K S Q E K S P - T R I O
135 G S H R S E R P G A C N C T E G V C T N A - S N N L A I P - T A K S D E E R P C C T A T A C - K P O T E R B O S A - D R-4

143 --- O P C T I - E R I - I E E - - - - - L T S M T C E E G S R N - - - - - H V I C E L - L E P h Pas
162 D P L P C V L E D E R Q L E C R A A E A E R I P G W I R - P P P S D S A P T O R E P P R Q O D L A S T A G h NGFR p75
179 --- C V S C H - K S L E C T E L - - - - - L P Q I E V N G T D S G C V L L P V I F P E - C E S L O F h THR 1
157 E H C T - R T G C P R G H V K V S H T P R S D I K K H S A A S S G K P - A A E E V - E L G H L A S Y H T L E I I V V L V T R I O
202 E H C E L S T G C P E G H V K V S H T P R S D I E C V N - - - - - E S - - E N G H N I V V I L - - - - - V V T L V D D R-4

184 P P I N --- W V E R E Q K T R F H R I E N O S S E S P I - - - - - T - E - - - - - V A I - N L S D V O L S Y I T h Pas
231 V V T T H G S S - - Q P V T R G T T D H L P V Y C S L A A V V V - - - - - H A Y I A I E H N S E K Q N K Q S R P V C P P h NGFR p75
230 G H Y R Y Q R N - K S L Y S I V G S T P P K R E L G T T K P A - - - - - H N P S S P T P P P L - P P P P S S T P T h THR 1
221 I I A L V - - - - - H G P S - E E K F S Y L G C E G G C G P E R M H V L A A - S P S P V G G E D R R R E T S T R I O
252 L L V A - - - - - L I V C C - - - - - G E A C G G P I C H D E M C H L - - - - - L L S G G G T E N H E I T S D R-4

235 T - - - - - I G V N T L S Q V - - - - - L P P A R R E V E K L - - - - - h Pas
296 P E G R K L H S D G I S V D S S S Q Q P H Q T A S Q - - - - - K E S G G L Y S - - - - - L P P A R R E V E K L - - - - - h NGFR p75
296 S S T T T G D C P N F A A P R E V - - - - - P P Y O G A D I L T A B A S E P I P N P L K W D S A R K Q S L D G D P A T L Y A V V h THR 1
282 R Y L Q E Q V S E C I Q Q E L A E L T G V T V S P E P R R L E Q E A E G C J R R L L V P V D A D S A - - - - - T R I O
302 A D S L S P M S E C Q H R E O E P D L T G V T V C P G E A C C L L G P A E A E G S G F R L L V P A G G D P E T N L V F D K F D R-4

246 --- G P E R K E V N E A K L E I K N D V Q O T A Q X V O E R N H Q L S I K E R - Y D T I K D I K E A M C T h Pas
352 --- G S A G D T R E A G R E Q P E H E S F T - E A C - - - - - P V R E L S H A T O D S - - - - - E L G A P A A L L R L Q R A D h NGFR p75
364 E H V P L - R M E P M S R G L S D E H L R L E L Q G R C L R E Q S H E T R R R P R R E T A R L G R V E D D I L O h THR 1
343 --- I S T L D A S A T L E S G - - - - - T R I O
372 A H I V P D S D Q E H S Q D E T K E I L V V R - A G T A G P G D L V F K H K V N K G S H - S I R T L L O A L E R E R E D R-4

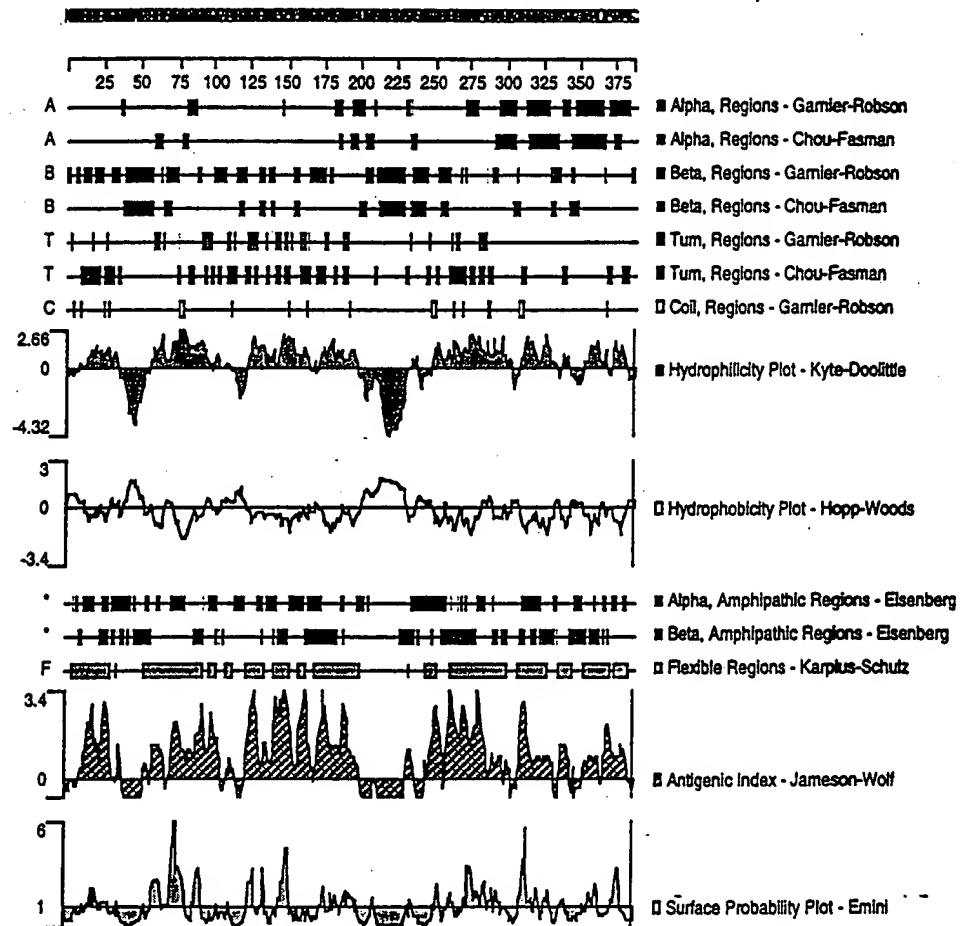
306 L A E E C T I L L D I T S D S E N S P R N E I Q S I V h Pas
413 --- L W E - - - - - L C S E T T P P h NGFR p75
433 C L E D E R A - - - - - C G P A A L P P P S L R h THR 1
358 A K E I O D L V G E N L V E E D E G S A T S C E T R I O
440 A K E I O D L V D E G R F I L E D G T S A V S E E D R-4

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Decoration 'Decoration 1': Shade (with solid black) residues that match the Consensus exactly.

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Figure 3



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